7	Attorney Docket No. 83996
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3	DETECTION OF RANDOMNESS IN SPARSE DATA SET OF
4	THREE DIMENSIONAL TIME SERIES DISTRIBUTIONS
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6	ABSTRACT OF THE DISCLOSURE
7	A two-stage method is provided for automatically
8	characterizing the spatial arrangement among data points of a
9	three-dimensional time series distribution in a data processing
10	system wherein the classification of said time series
11	distribution is required. The utilizes two-stage method
12	Cartesian grids to determine (1) the number of cubes in the grids
13	containing at least one input data point of the time series
14	distribution; (2) the expected number of cubes which would
15	contain at least one data point in a statistically determined
16	random distribution in said grids; and (3) an upper and lower
17	probability of false alarm above and below said expected value
18	utilizing a second discrete probability relationship in order to
19	analyze the randomness characteristic of the input time series
20	distribution.